

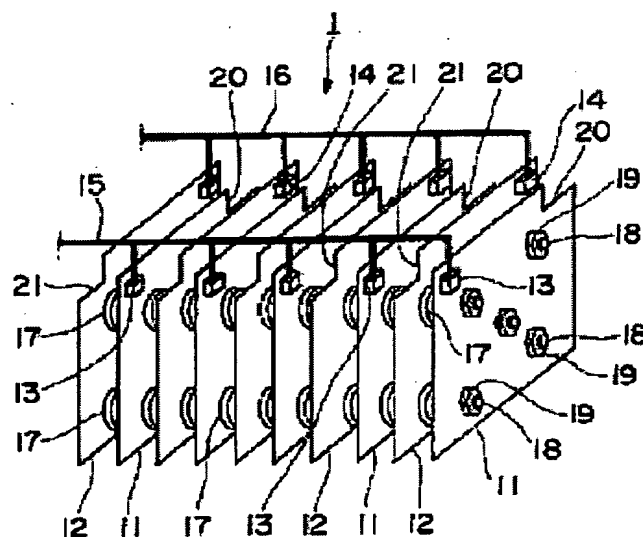
**ELECTROLYTIC APPARATUS FOR WATER TREATMENT**

**Patent number:** JP10165957  
**Publication date:** 1998-06-23  
**Inventor:** ISHIDA NOBUHIDE; HASHIMOTO YUKICHI;  
HAYASHIBARA SHIGERU; SHIOIRI MASAOKI  
**Applicant:** MAEDA CONSTRUCTION;; MAEDA SEISAKUSHO  
**Classification:**  
- **international:** C02F1/463; C02F1/465; E03F5/14  
- **europaen:**  
**Application number:** JP19960324414 19961204  
**Priority number(s):** JP19960324414 19961204

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**Abstract of JP10165957**

**PROBLEM TO BE SOLVED:** To provide an electrolytic apparatus for water treatment capable of reducing cost and power consumption and capable of normally performing electrolysis. **SOLUTION:** This apparatus is provided with an anode plate 11 and a cathode plate 12 both of which are arranged in opposed relationship and the anode connection jig 13 and cathode connection jig 14 connecting the anode and cathode plates 11, 12 to an external power supply and an insulating spacer 17 having predetermined thickness is interposed at a predetermined position between the anode and cathode plates 11, 12 and an insulating rod-shaped member 18 is allowed to pierce through the anode and cathode plates 11, 12 to integrally fix the anode plate 11, the cathode plate 12 and a spacer 17.



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98-406810/35 D15 J03 MAED- 96.12.04  
MAEDA SEISAKUSHO KK \*JP 10165957-A  
96.12.04 96JP-324414 (98.06.23) C02F 1/463, 1/465, E03F 5/14  
Electrolysis device for water treatment - uses insulating bolts for  
securing anode and cathode plates with insulating spacers of  
predetermined thickness interposed between each adjacent pair of  
plates  
C98-122580  
Admnl. Data: MAEDA KENSETSU KOGYO KK (MAED-)

The electrolysis device has a number of anode plates (11) and equal  
number of cathode plates arranged alternately. Insulating spacers (17)  
of predetermined thickness are interposed between the anode and  
cathode plates. The anode, cathode plates and the spacers are secured  
together by a number of rod shaped insulating bolts (18). The anode  
and cathode plates are connected respectively by a positive and  
negative busbars (13,14) to an external energiser.

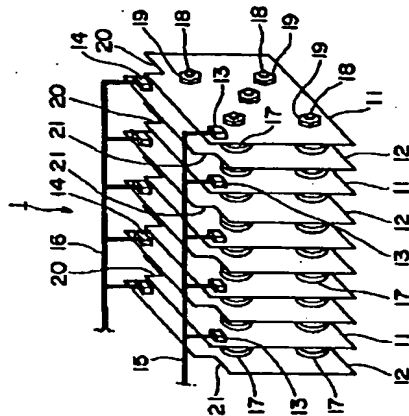
USE

For purification of cement group drain, filtration of water and  
sewer services, electric dust catcher.

ADVANTAGE

D(4-A1M) J(3-B)

Simplifies composition of device by avoiding necessity of frame  
for maintaining each electrode plate. Reduces cost by reducing  
assembly and process man-hours. Reduces power consumption by  
maintaining minimum predetermined gap between adjacent plates.  
Avoids dissolving of bus bars. Ensures proper electrolytic action by  
uniform distribution of current to each electrode plate. (SL)



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